PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
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Report No. SAT-01692 **Friday January 13, 2023**

Satellite Policy Branch Information

Space Station Applications Accepted for Filing

The applications listed below have been found, upon initial review, to be acceptable for filing. The Commission reserves the right to return any of the applications if, upon further examination, it is determined that the application is not in conformance with the Commission's rules or its policies. Consideration of each satellite application in this Public Notice may depend on the Commission's action on another satellite application earlier in the queue. Petitions, oppositions, and other pleadings filed in response to this notice should conform to Section 25.154 of the Commission's rules, unless otherwise noted. 47 C.F.R. § 25.154.

SAT-AMD-20221216-00175 E S3069 Space Exploration Holdings, LLC
Date Filed: 12/16/2022 10:55:42:76300
Amendment

Space Exploration Holdings, LLC (SpaceX) seeks to modify its license to include operation of radiofrequency beacons on up to 450 second-generation non-geostationary satellite orbit ("Gen2 System") satellites. Specifically, the beacons would operate in portions of the 137-138 MHz (space-to-Earth) and 148-150.05 MHz (Earth-to-space) frequency bands. The beacons would transmit and receive during the satellite launch and early operations phase, prior to commencement of regular operations for provision of fixed-satellite service, and in the event of an emergency after a satellite has begun regular operations.

SAT-LOA-20220921-00113 E S3153 Space Sciences & Engineering LLC
Date Filed: 09/21/2022 13:59:54:21600
Launch and Operating Authority

Space Sciences & Engineering LLC (PlanetiQ) requests authority to launch and operate one satellite, GNOMES-4, in low-Earth, non-geostationary orbit, for purposes of deriving data from radio occultation using signals transmitted from satellites that operate in the Radionavigation Satellite Service. GNOMES-4 would be deployed between 505 and 545 kilometers, at an inclination between 97 and 98 degrees. GNOMES-4 would then operate at altitudes from approximately 525 kilometers down to approximately 430 km, and with an inclination of 97.6 degrees (+/- 0.5 degrees) in sun-synchronous orbit, allowing for natural orbital decay. PlanetiQ would then engage propulsion to maintain GNOMES-4 in an approximately 430 kilometer altitude circular orbit until the end of the satellite's operational life. PlanetiQ seeks to operate in the Earth-exploration satellite service (EESS), and for telemetry, tracking, and command (TT&C) using the following frequency bands: 8025-8400 MHz (space-to-Earth) and 2025-2110 MHz (Earth-to-space). Specifically, PlanetiQ requests to operate using a center frequency of 8260 MHz with bandwidth of 20 MHz and a center frequency of 2081 MHz with bandwidth of 0.2 MHz. PlanetiQ requests waiver of the U.S. Table of Frequency Allocations, section 2.106 of the Commission's rules, 47 CFR § 2.106, to the extent necessary and requests that its application be processed in accordance with the small satellite licensing procedures in section 25.122 of the Commission's rules, 47 CFR § 25.122.

For more information concerning this Notice, contact the Satellite Division at 202-418-0719.